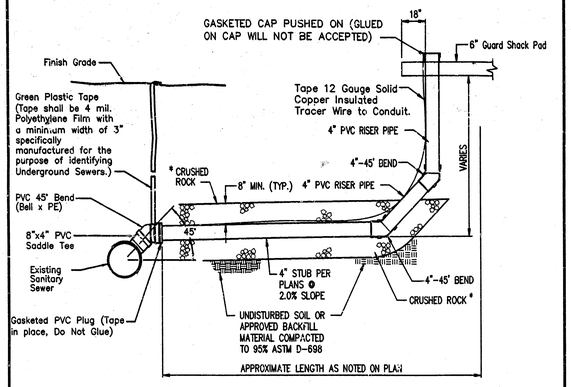
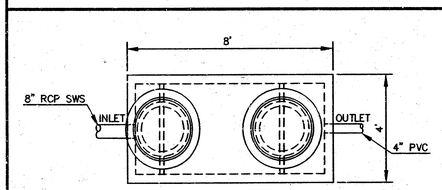
GATE F PARKING LOT UTILITIES PLAN



4" TEE SERVICE CONNECTION, STUB & RISER PIPE

*CRUSHED ROCK SHALL MEET THE REQUIREMENTS FOR GRANULAR BEDDING MATERIAL, AS OUTLINED IN THE SPECIFICATIONS.
*ALL PIPE AND FITTINGS LESS THAN 8" DIAMETER SHALL BE SCHEDULE 40 - SOLID WALL(ASTM D 2665)



500 Gal. Mud/Oil Separator Detail
NOT TO SCALE

NOTE:
Contractor shall verify that Outlet Pipe FL is a min. of 1" below inlet Pipe FL

Install 2-35 L.F. of 4" PVC (Sch. 40) Conduits at the end of the South Curb Radius as shown. Extend Conduits a Minimum of 5 L.F. Beyond the Back of Curb. Install ¼" Nylon Pull Strings & Cap Ends for Future Utilities. Install Conduits 48" deep from top of finished grade to top of Conduit.

Existing Curb Inlet Top Elev.=1318.90 FL W(12"RCP)=1314.44 FL N(15" RCP)=1314.32 FL E(15" RCP)=1314.52

Paint Hangar
1830 Airport Road

Airport Road

Install Type 1 Curb Inlet Top Elev.=1320.50 FL E(15"RCP)=1317.57 FL S(15" RCP)=1317.77 N 4070.54 E 5740.69

CAUTION! Underground Electric Duct Bank Exist. Top of Curb Elev.=1320.93 Duct Probe Depth=53" Duct(Top)=1316.51 Prop. FL 15" SWS RCP=1317.92 Bottom of 15" RCP=1317.73 Approx. Clearance=1.22' or 14.6"

Existing SS MH Top Elev.=1321.00 Invert=1313.40

CAUTION!!! SBC Telephone 10" Approx. Depth

Proposed 5' Sidewalk

See Water Meter Relocation Note.

20' Wide Trash Dumpster Site

T-Hangar #12

Install 105 L.F. of 15" RCP SWS @ 0.38%

Remove Exist. Curb Inlet Top Elev.=1321.10 FL N(18"RCP)=1315.85 FL S(15" RCP)=1315.85 FL E(21" RCP)=1315.50

Install 2'x4' Area Inlet Top Elev.=1320.90 FL N(18"RCP)=1315.85 FL S(15" RCP)=1315.85 FL E(21" RCP)=1315.50 FL W(15" RCP)=1315.70

Install 140 L.F. of 15" RCP SWS @ 0.38%

Contractor Shall Install 209 L.F. of 1" PVC Water Service Line & Cap at Both Ends. Tape 12 Gauge Solid Copper Insulated Tracer Wire to Conduit up through Concrete Pad.

PHASE I

PHASE II

T-Hangar #11

CAUTION: Underground Electric 2" Conduit Exist. Top of Asphalt Elev.=1320.69 2" Conduit Probe Depth=25.8" 2" Conduit(Top)=1318.54 2" Conduit(Bottom)=1318.37 Prop. FL 15" SWS RCP=1315.73 Top of 15" RCP=1317.17 Approx. Clearance=1.2' or 14.4"

Install 2'x4' Area Inlet Top Elev.=1320.70 FL N(15"RCP)=1318.30 N 3957.25 (Center E 5646.64 of Inlet)

136' Back to Back of Curb

Install 132 L.F. of 4" PVC Sanitary Sewer Line (See Detail)

CAUTION!!! SBC Telephone 2.1' Approx. Depth

Hangar #3
1880 Airport Road

Caution!!! See Gas Valve Note*

Remove Existing Mud/Oil Separator. Install same size of Drain Line Pipe in Place of Removed Separator (Subsidiary to Mud/Oil Separator Removal.)

Install Approx. 40 L.F. of Electric Service from Hangar #3 to Concrete Pad.

Install 2-35 L.F. of 4" PVC (Sch. 40) Conduits a Minimum of 5 L.F. Beyond the Back of Curb. Install ¼" Nylon Pull Strings & Cap Ends for Future Utilities. Install Conduits 48" deep from top of finished grade to top of Conduit. Install 25' West of East Face of Hangar #3.

Proposed 4" SS Connection FL 8"=1312.53 See 4" Tee Service Connection Detail (This Sheet) for Connection Details.

Proposed Connection is Approx. 111.5' North of next Downstream MH. Downstream MH Top=1321.00 Downstream MH Invert=1312.20

See Demolition Plan for information on sidewalk removal.

Remove Existing Mud/Oil Separator. Install same size of Drain Line Pipe in Place of Removed Separator (Subsidiary to Mud/Oil Separator Removal.)

Install Approx. 40 L.F. of 4" SS.

Install New Oil/Water Separator or approved equal. (See Detail) Top Lid Elev.=1322.30 Top Box Elev.=1321.63 4" Outlet Elev.=1319.46

Contractor Shall Saw Cut Existing 8" RCP and Cap with Brick & Morter. (Subsidiary to Mud/Oil Separator Installation)

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

UTILITY LEGEND

= Catv Box	= Sign
= Fire Hydrant	= San. Sewer Manhole
= Guard Post	= Storm Sewer Manhole
= Guy Anchor	= Telephone Riser
= Guy Pole	= Water Meter
= Power Pole	= Water Valve
= Light Pole	= Gas Meter
= Electric Riser	= Gas Valve
= Utility Pole	= Flight Safety(Fiber Optic Cable)
= Bore Location	= Fiber Optic(Gate F Controller)
	= Gas Line
	= Overhead Electric
	= Underground Electric
	= SBC-Underground Telephone
	= Underground Telephone
	= Waterline
	= Sanitary Sewer Line
	= Construction Limits

NOTE: There was no response by SBC to Kansas One-Call Ticket #3449462 called in on December 17, 2003.

W.A.A. flagged SBC's Telephone Line while flagging their own Utilities.

1" WATER METER RELOCATION NOTE:
Existing 1" Water Meter for Paint Hangar will be Relocated by the City of Wichita Water Dep't. Contractor will be responsible for coordinating with City on Meter Relocation.

GAS VALVE NOTE*
Contractor Shall Construct Pavement over Gas Meter. Contact Charlene Lawless w/ KGS Prior to Construction of Parking Lot (932-3121).

SUMMARY OF UTILITY QUANTITIES

TYPE	UNITS	QUANTITY
15" RCP. SWS	L.F.	245
Type 1 Curb Inlet	Each	1
2'x4' Area Inlet	Each	2
4" PVC Utility Conduit	L.F.	140
Oil-Water Separator(Remove)	Each	2
New Oil-Water Separator	Each	1
4" PVC SS Line	L.F.	172
4" Tee Service Connection	Each	2
1" PVC Water Service Line	L.F.	209
1" PVC Caps	Each	2
1" Water Meter Relocation	Each	1

UTILITIES SHOWN REPRESENT THE BEST INFORMATION AVAILABLE FOR DESIGN. ADDITIONAL UTILITIES MAY BE PRESENT ON THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY THE FAILURE TO DO SO.

UTILITIES PLAN FOR
SECURITY GATE F PARKING LOT
WICHITA MID-CONTINENT AIRPORT, WICHITA, KANSAS
CED PROJ. NO.: 20031083

CERTIFIED ENGINEERING DESIGN, P.A.
810 WEST DOUGLAS, SUITE C
WICHITA, KANSAS 67203
PH.(316)262-8808 FAX.(316)262-1669

DESIGNED: HDF	SCALE: 1"=20'	SHEET 12
DRAWN: CKW	DATE: 4/04	
CHECKED: HDF	CED FILE: Gate-G-Base	TOTAL 46